# Use Attainability Analysis

for

WBID 0856 Little Muddy Creek

Submitted by Engineering Surveys and Services

To Missouri Department of Natural Resources Water Protection Program

# RECEIVED JUL 13 2005 WATER PROTECTION PROGRAM

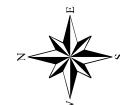
#### Field Data Sheets for Recreational Use Stream Surveys

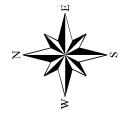
#### Data Sheet A - Water Body Identification

| Water Body Name:<br>(from USGS 7.5' quad)      | Little Muddy Creek                               |
|------------------------------------------------|--------------------------------------------------|
| 8-digit HUC:                                   | 10300103                                         |
| Missouri WBID#:                                | 0856                                             |
| County:                                        | Pettis                                           |
| Upstream Legal Description:                    | NE 1/4, Section 18, Township 46N, Range 22W      |
| Downstream Legal Description                   | on: SW 1/4, Section 12, Township 46 N, Range 22W |
| Upstream Coordinates:<br>(UGS 84, ddd.ddddd)   | N38.77250°, W93.37988°                           |
| Downstream Coordinates:<br>(UGS 84, ddd.ddddd) | N 38.77278°, W93.27858°                          |
| Discharger Facility Name(s):                   | Tyson Foods Service Center                       |
| Discharger Permit Number(s)                    | : МО-0095290                                     |
| Number of Sites Evaluated:                     | 4                                                |
| Name of Surveyor and Teleph                    | none Number: Michelle Rodhouse, 573-449-2646     |
| Organization: Engineeri                        | ng Surveys & Services                            |
| Position: Director                             | of Environmental Services                        |

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

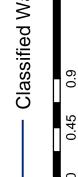
| Signed: | Michelle Rodhouse | Date: 20 Jun 05 |  |
|---------|-------------------|-----------------|--|
|---------|-------------------|-----------------|--|

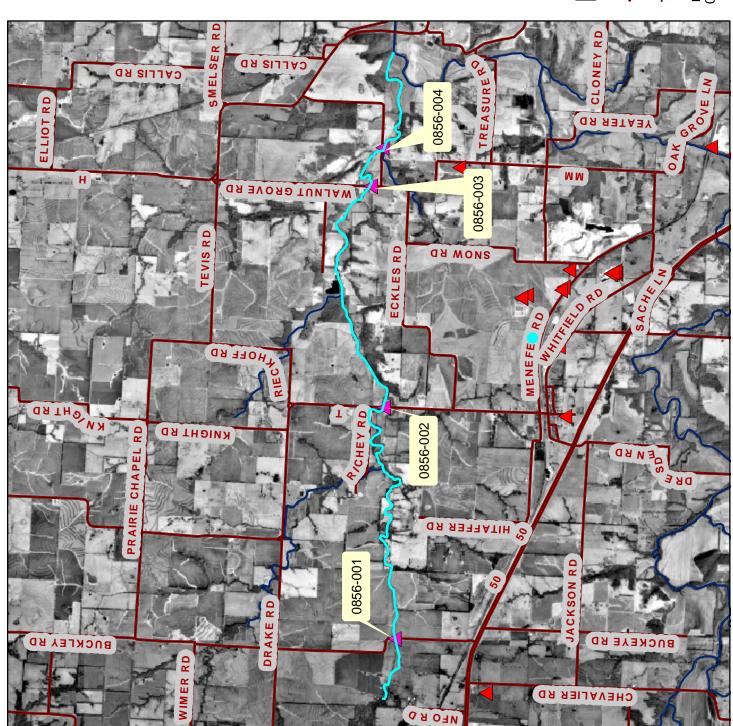












Legend 0.45 0856-004 Little Muddy Creek (C) #0856 Pettis County 0856-001

Classified Waterbodies

Roads

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| Missouri WBID#:           | 0856                  |                 | Site Location De    | escription:                                             | of Little Muddy             |
|---------------------------|-----------------------|-----------------|---------------------|---------------------------------------------------------|-----------------------------|
| Site GPS Coordinates: N   | 38 46.282 W           | 93 22,449       | Crock and           | Buckley Road.                                           | 3                           |
| Date & Time: 17 Jun       |                       |                 |                     | Tyson Foods Servi                                       | ce Center                   |
|                           | e Rodhouse            | •               | Permit Number:      | MO-0095290                                              | -                           |
| Current Weather Condition | ons: Sunny , 8        | 50 "            | Weather Conditi     | ons for Past 7 days: 0, 2                               | 5" rain, Sunny, 85"         |
| Photo Ids: Upstream: U    |                       |                 | MOSTE CO. Other     | ;                                                       | J,                          |
|                           | ,                     |                 |                     |                                                         |                             |
| Uses Observed*:           | 1                     |                 |                     | 1                                                       |                             |
| ☐ Swimming                | ☐ Skin diving         | ☐ SCU           | JBA diving          | ☐ Tubing                                                | ☐ Water skiing              |
| ☐ Wind surfing            | ☐ Kayaking            | ☐ Boar          | ting                | ☐ Wading                                                | ☐ Rafting                   |
| ☐ Hunting                 | ☐ Trapping            | ☐ Fish          | ing                 | None of the above                                       | ☐ Other:                    |
| Describe: (include numbe  | er of individuals rec | reating, freque | ncy of use, photo-  | documentation of evidence                               | of recreational uses, etc.) |
| no access, v              | ery steep r           | avine,          | tence, ba           | rbed wire. n                                            | o evidence                  |
| of recreation             | nal use.              | All Su          | irrounding          | documentation of evidence<br>rbed wire. n<br>area consi | sts of                      |
| conland.                  |                       |                 |                     |                                                         |                             |
| J. 5                      |                       |                 |                     |                                                         |                             |
|                           |                       |                 |                     |                                                         |                             |
| 1 <del></del>             |                       |                 |                     | · ·                                                     |                             |
| Surrounding Condition:    | s*: (Mark all that p  | romote or imp   | ede recreational us | es. Attach photos of evider                             | nce or unusual              |
| items of interest.)       |                       |                 |                     | i                                                       |                             |
| ☐ City/county parks       | ☐ Playgrounds         |                 | servation lands     | ☐ Urban areas                                           | ☐ Campgrounds               |
| ☐ Boating accesses        | ☐ State parks         | ☐ National f    | orests              | ☐ Nature trails                                         | ☐ Stairs/walkway            |
| ☐ No trespass sign        | ⊠ Fence               |                 | es                  | Other:                                                  |                             |
| Evidence of Human Use     | *•                    |                 |                     |                                                         |                             |
| ✓ Roads                   |                       | 4-   FI D-      | -1-1-1-45           | <b>FIG.</b> 7 '                                         | C DY (ATVET 1               |
|                           | ☐ Foot paths/prin     |                 | ck/platform         | ☑ Livestock Watering                                    | RV/ATV Tracks               |
| ☐ Rope swings             | ☐ Camping Sites       | L. Fir          | e pit/ring          | ☐ NPDES Discharge                                       | ☐ Fishing Tackle            |
| Other:                    |                       |                 |                     |                                                         |                             |
|                           |                       |                 |                     |                                                         |                             |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

| Upstream V                                                                                                                                  |                                                   | sical Dir                                                                                                 |                                     |                                                                    |                                                                                                  | / Co.>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |               |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------|
|                                                                                                                                             | Width (ft):                                       |                                                                                                           | Length (ft):                        |                                                                    | Avg. Depth                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                                       | Max. Dej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |               |
| Run                                                                                                                                         | Width (ft):                                       |                                                                                                           | Length (ft):                        |                                                                    | Avg. Depth                                                                                       | (ft):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | N                                     | Иах. Dej                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | oth (ft):             | <u></u> .     |
| ⊠ Pool \                                                                                                                                    | Width (ft):                                       | 10'                                                                                                       | Length (ft):                        | 00'                                                                | Avg. Depth                                                                                       | (ft):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>1'</u>                           | N                                     | Aax. Dep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | oth (ft):             | 21            |
| □ Flow F                                                                                                                                    | Present?                                          | ☐ Yes                                                                                                     | ⊠ No                                | <u></u>                                                            | Estimated (f                                                                                     | 1 <sup>3</sup> /sec):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | NA                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       | <del></del> . |
| Downstrear                                                                                                                                  | m View P                                          | hysical l                                                                                                 | Dimensions:                         |                                                                    |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |               |
| ☐ Riffle V                                                                                                                                  | Width (ft):                                       |                                                                                                           | Length (ft):                        | •                                                                  | Avg. Depth (                                                                                     | (ft):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | •                                   | N                                     | Лах. Дер                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | oth (ft):             |               |
| □ Run V                                                                                                                                     | Width (ft):                                       |                                                                                                           | Length (ft):                        |                                                                    | Avg. Depth (                                                                                     | (ft):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     | N                                     | ⁄lax. Dep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | oth (ft):             | <del>.</del>  |
| ⊠ Pool V                                                                                                                                    | Width (ft):                                       | 10'                                                                                                       | Length (ft):                        | 50'                                                                | Avg. Depth (                                                                                     | (ft):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\overline{U}$                      | N                                     | Лах. Дер                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | oth (ft):             | 2 '           |
| ⊠ Flow F                                                                                                                                    | Present?                                          | ☑ Yes                                                                                                     | □ No                                |                                                                    | Estimated (ft                                                                                    | <sup>3</sup> /sec):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (                                   | ). O8                                 | F+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 sec                 |               |
| Plants, t                                                                                                                                   | ፖድሮ5 ሲ                                            | مماممه                                                                                                    |                                     |                                                                    |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                     |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |               |
|                                                                                                                                             |                                                   |                                                                                                           |                                     |                                                                    |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ···· <u>-</u> ··                    |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |               |
|                                                                                                                                             | cteristics*                                       |                                                                                                           |                                     | □ Ch                                                               | emical                                                                                           | ⊠ Nor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ne                                  |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |               |
| ater Charac                                                                                                                                 | cteristics*                                       | : (Mark a                                                                                                 | ll that apply.)                     | □ Ch                                                               | ·                                                                                                | ⊠ Nor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ligh+                 | brown         |
| ater Charac                                                                                                                                 | cteristics*                                       | : (Mark a                                                                                                 | ll that apply.)                     | ☐ Gra                                                              | ·                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ky                                  | ×                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | light                 | brown         |
| Odor:                                                                                                                                       | cteristics*                                       | : (Mark a<br>Sewage<br>Clear<br>Sludge                                                                    | ll that apply.)  Musky Green        | ☐ Gra                                                              | e sediments                                                                                      | □ Міі                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ky<br>ne                            |                                       | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | light                 | brown         |
| Ater Charac Odor: Color: Bottom Depo Surface Depo Omments: Plantis information Imprehensive uncision on the rec The undersignataheet is tra | ease attace is not to be derstanding creation use | E: (Mark a<br>Sewage<br>Clear<br>Sludge<br>Dil<br>th addition<br>to used solely of water of<br>analysis b | ll that apply.)  Musky Green Solids | Gra Gra Fin Foa  (includir a recreation equently, the onditions to | e sediments  m  ng information  nal use designation information  hat need further  nowledge, the | ☐ Mil  ☑ Non  ☑ Non  in the property of the p | ky ne ne n int t rath intend sis or | er is to preded to direct that effect | Other: ot | more luence a er use. | this UAA      |



Upstream at 0856-001



Downstream at 0856-001

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| М      | issouri WBID#:         | 0856                |               | Site Location D    | Description:<br>2; Intersection of a          | Little Muddy Creek                    |
|--------|------------------------|---------------------|---------------|--------------------|-----------------------------------------------|---------------------------------------|
| St     | te GPS Coordinates: M  | J38°46.362 W9       | 13'20.121     | and Highwa         | W T.                                          | J                                     |
| Da     | ate & Time: 17 Ju      | 205 11 am           |               | Facility Name:     | Tyson Foods Serv                              | ice Center                            |
|        |                        | le Rodhouse         |               | Permit Number:     | MO-0095290                                    | )                                     |
| Cu     | irrent Weather Conditi | ons: Sunny 8        | 0             | Weather Condit     | ions for Past 7 days: 0. 2                    | 5" rain. Sunny, 85°                   |
| Ph     | oto Ids: Upstream: Up  | 0856-002 Down       | nstream: Dove |                    |                                               | · · · · · · · · · · · · · · · · · · · |
| Uses ( | Observed*:             |                     |               |                    |                                               |                                       |
|        | Swimming               | ☐ Skin diving       | □ SCU         | BA diving          | ☐ Tubing                                      | ☐ Water skiing                        |
|        | Wind surfing           | ☐ Kayaking          | ☐ Boat        | ing                | ☐ Wading                                      | ☐ Rafting                             |
|        | Hunting                | ☐ Trapping          | □ Fishi       | ng                 | ☑ None of the above documentation of evidence | Other:                                |
| Surro  | woods to the           |                     | omote or impe | ede recreational u | ses. Attach photos of evider                  | nce or unusual                        |
|        | City/county parks      | ☐ Playgrounds [     | ☐ MDC cons    | ervation lands     | ☐ Urban areas                                 | ☐ Campgrounds                         |
|        | Boating accesses       | ☐ State parks [     | □ National fo | rests              | ☐ Nature trails                               | ☐ Stairs/walkway                      |
| ₩:     | No trespass sign       | ☐ Fence [           | ☑ Steep slope | es .               | ☐ Other:                                      |                                       |
| Evider | nce of Human Use       | ***                 |               |                    |                                               |                                       |
| Ø      | Roads                  | ☐ Foot paths/prints | Dog           | k/platform         | ☐ Livestock Watering                          | □ RV/ATV Tracks                       |
|        | Rope swings            | ☐ Camping Sites     | ☐ Fire        | pit/ring           | ☐ NPDES Discharge                             | ☐ Fishing Tackle                      |
|        | Other:                 |                     |               |                    |                                               |                                       |
|        |                        |                     |               |                    |                                               |                                       |

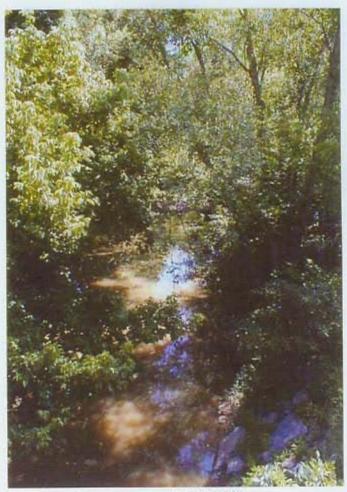
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

| □ Riffle Wid                                                                                                                                                                    | h (ft):                                                                                                |                                                                        | Length (ft):                                                                                                                   | Avg. Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (ft):                                                                                             | Max. Dep                                                                                             | th (ft):                              |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|
|                                                                                                                                                                                 | h (ft):                                                                                                |                                                                        | Length (ft):                                                                                                                   | Avg. Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (ft):                                                                                             | Max. Dep                                                                                             | th (ft):                              |                   |
| ⊠ Pool Wid                                                                                                                                                                      | h (ft):                                                                                                | 36'                                                                    | Length (ft):                                                                                                                   | OO Avg. Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (ft): 3 '                                                                                         | Max. Dep                                                                                             | th (ft):                              | 4                 |
| ☑ Flow Pres                                                                                                                                                                     |                                                                                                        | ☐ Yes                                                                  | ⊠ No                                                                                                                           | Estimated (f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | t <sup>3</sup> /sec):                                                                             | most st                                                                                              | agnen.                                | +                 |
| Downstream V                                                                                                                                                                    | iow Dh                                                                                                 | veical l                                                               | Dimanciane:                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                   |                                                                                                      | ~                                     |                   |
|                                                                                                                                                                                 | h (ft):                                                                                                | ysicai i                                                               | Length (ft):                                                                                                                   | Avg. Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (ft):                                                                                             | Max. Dep                                                                                             | th (ft):                              | · · · · ·         |
|                                                                                                                                                                                 | h (ft):                                                                                                |                                                                        | Length (ft):                                                                                                                   | Avg. Depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (ft):                                                                                             | Max. Dep                                                                                             | th (ft):                              |                   |
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| uatic Vegetati No al gal  uter Character  Odor:                                                                                                                                 | grow <sup>4</sup><br>istics*:<br>□ Se                                                                  | (Mark a<br>wage                                                        | ush vegetar  Il that apply.)   Musky                                                                                           | tion, trees, of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | None ≥ None                                                                                       | □ Other:                                                                                             | light                                 | tan               |
| natic Vegetati  No algal  ter Character  Odor:  Color:                                                                                                                          | growfistics*:                                                                                          | (Mark a<br>wage<br>ear                                                 | ll that apply.)  Musky  Green                                                                                                  | Chemical ☐ Gray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | None  Milky                                                                                       | ☐ Other:                                                                                             | light                                 | tan               |
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Upstream at 0856-002



Downstream at 0856-002

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| Missouri WBID#:                                                                                 | 0856                                                   |                                    | Site Location D                   | escription:                                         | Little Muddy Cred              |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------------------------|--------------------------------|
| Site GPS Coordinates: A                                                                         | J38°46.491' W                                          | 93°17.82                           | 5" and Waln                       | escription:<br>3; Intersection of<br>ut Grove Road. |                                |
| Date & Time: 17 Ju                                                                              | ~05, 1215p                                             | ) <i>m</i> 1                       | Facility Name:                    | Tysen Foods Servi                                   | ce Center                      |
| ****                                                                                            | le Rodhouse                                            |                                    | Permit Number                     | ***************************************             |                                |
| Current Weather Condit                                                                          | ions: Sunny, 8                                         | "ס                                 | Weather Condit                    | ions for Past 7 days: 0,25                          | "rain, Swany, 85"              |
| Photo Ids: Upstream: U                                                                          | P-0856-003 Dov                                         | vnstream:00.                       |                                   | r: Bridge at 0856-                                  |                                |
|                                                                                                 |                                                        |                                    |                                   | <b>-</b>                                            |                                |
| Jses Observed*:                                                                                 | <u> </u>                                               |                                    |                                   |                                                     |                                |
| ☐ Swimming                                                                                      | ☐ Skin diving                                          | S                                  | CUBA diving                       | ☐ Tubing                                            | ☐ Water skiing                 |
| ☐ Wind surfing                                                                                  | ☐ Kayaking                                             | <u> </u>                           | oating                            | ☐ Wading                                            | ☐ Rafting                      |
| ☐ Hunting                                                                                       | ☐ Trapping                                             |                                    | shing                             | None of the above                                   | ☐ Other:                       |
| no use obse                                                                                     | rwea.                                                  |                                    |                                   |                                                     |                                |
| Surrounding Condition                                                                           |                                                        | promote or in                      | mpede recreational u              | ises. Attach photos of evide                        | nce or unusual                 |
|                                                                                                 |                                                        |                                    | mpede recreational u              | ises. Attach photos of evide                        | nce or unusual                 |
| Surrounding Condition                                                                           | ns*: (Mark all that p                                  |                                    | onservation lands                 | · · · · · · · · · · · · · · · · · · ·               | 1                              |
| Surrounding Condition tems of interest.)                                                        | ns*: (Mark all that p                                  |                                    | onservation lands                 | ☐ Urban areas                                       | ☐ Campgrounds                  |
| Surrounding Condition tems of interest.)  City/county parks  Boating accesses                   | ns*: (Mark all that p  Playgrounds  State parks        | ☐ MDC o                            | onservation lands                 | ☐ Urban areas ☐ Nature trails                       | ☐ Campgrounds                  |
| Surrounding Condition tems of interest.)  City/county parks  Boating accesses  No trespass sign | ns*: (Mark all that p  Playgrounds  State parks        | ☐ MDC o                            | onservation lands                 | ☐ Urban areas ☐ Nature trails                       | ☐ Campgrounds                  |
| Evidence of Human Us                                                                            | ns*: (Mark all that p  Playgrounds  State parks  Fence | ☐ MDC c ☐ Nationa  ( Steep single) | onservation lands al forests opes | ☐ Urban areas ☐ Nature trails ☐ Other:              | ☐ Campgrounds ☐ Stairs/walkway |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

| □ Riffle Wide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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Upstream at 0856-003



Downstream at 0856-003

#### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

| Missouri WBID #:                                                                                                      | O856                                                      |                                                   | 10851-004                                   | description:<br>; Intersection of L                              | · · • · · · · · · · · · · · · · · · · · |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------------------|-----------------------------------------|
| Site GPS Coordinates:                                                                                                 | 138"46.4736 W                                             | 13"17.475"                                        | and Little                                  | Middy Road.                                                      |                                         |
| Date & Time: 17 Ji                                                                                                    | un 05 , 12:45                                             | P.M                                               | Facility Name:                              | Tyson Foods Serv                                                 | ice Center                              |
|                                                                                                                       | · Rodhouse                                                | F                                                 | Permit Number:                              |                                                                  |                                         |
| Сипенt Weather Condit                                                                                                 | tions: Sunny, 87                                          | o <b>"</b>                                        | Weather Condit                              | ions for Past 7 days: 0, 25                                      | Frain, Sunry, 85°                       |
| Photo Ids: Upstream: u                                                                                                | p0856-004 Dow                                             | vnstream: Dov                                     | n 0856 out Othe                             | r: Intersect of unnam                                            | ned trib. & Little Mu                   |
| Jses Observed*:                                                                                                       |                                                           |                                                   |                                             |                                                                  |                                         |
| ☐ Swimming                                                                                                            | ☐ Skin diving                                             | □ sc                                              | UBA diving                                  | ☐ Tubing                                                         | ☐ Water skiing                          |
| ☐ Wind surfing                                                                                                        | ☐ Kayaking                                                | □ Воа                                             | ating                                       | ☐ Wading                                                         | ☐ Rafting                               |
| ☐ Hunting                                                                                                             | ☐ Trapping                                                | ☐ Fish                                            | ning                                        | ☑ None of the above                                              | Other:                                  |
| Describe: (include numb                                                                                               | per of individuals rec                                    | reating, freque                                   | ency of use, photo-                         | -documentation of evidence                                       | of recreational uses, etc.)             |
| Little Muddy                                                                                                          | Creek. Two                                                | pipes all                                         | ow flow i                                   | -documentation of evidence<br>tributary inter-<br>under the road |                                         |
| urrounding Condition                                                                                                  |                                                           |                                                   |                                             | under the road                                                   |                                         |
| urrounding Condition                                                                                                  | ns*: (Mark all that p                                     | promote or imp                                    |                                             |                                                                  | nce or unusual                          |
| urrounding Condition                                                                                                  |                                                           | promote or imp                                    | pede recreational u                         | ises. Attach photos of evider                                    |                                         |
| urrounding Conditionems of interest.)                                                                                 | ns*: (Mark all that p                                     | oromote or imp                                    | pede recreational unservation lands         | uses. Attach photos of evider                                    | nce or unusual                          |
| urrounding Conditionems of interest.)  City/county parks Boating accesses No trespass sign                            | ns*: (Mark all that p ☐ Playgrounds ☐ State parks ☑ Fence | oromote or imp  MDC cor                           | pede recreational unservation lands         | uses. Attach photos of evider  Urban areas  Nature trails        | nce or unusual                          |
| ems of interest.)  City/county parks  Boating accesses                                                                | ns*: (Mark all that p ☐ Playgrounds ☐ State parks ☑ Fence | oromote or imp  ☐ MDC cor ☐ National ☐ Steep slop | pede recreational unservation lands         | uses. Attach photos of evider  Urban areas  Nature trails        | nce or unusual                          |
| Gurrounding Condition  ems of interest.)  City/county parks  Boating accesses  No trespass sign  Cvidence of Human Us | ns*: (Mark all that p ☐ Playgrounds ☐ State parks ☑ Fence | oromote or imp  MDC cor  National  Steep slop     | pede recreational unservation lands forests | uses. Attach photos of evider  Urban areas  Nature trails        | C Campgrounds  ☐ Stairs/walkway         |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004 Page 18

<sup>\*</sup>Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

| ☐ Riffle Width                                                                                                                                                    | (A)                                                                                                                       | Langet (CA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A T                                                                                                                             | /GV.                                                                                                      | M D 41 403                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
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| ter Characteris                                                                                                                                                   | · · · · · · · · · · · · · · · · · · ·                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ☐ Chemical                                                                                                                      | Di None                                                                                                   | □ Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
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| Odor:<br>Color:                                                                                                                                                   | □ Sewage  © Clear                                                                                                         | □ Musky                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | □ Gray                                                                                                                          | ☐ Milky                                                                                                   | Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| Odor:<br>Color:<br>Bottom Deposit:                                                                                                                                | □ Sewage ☑ Clear 100 □ Sludge                                                                                             | ☐ Musky  Idy ☐ Green  ☐ Solids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ☐ Gray ☐ Fine sediments                                                                                                         | ☐ Milky  ☑ None                                                                                           | ☐ Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
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| Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is not prehensive understa                                                            | ☐ Sewage ☐ Clear house ☐ Sludge ☐ Oil  attach addition to be used sole anding of water                                    | ☐ Musky  Idy ☐ Green ☐ Solids ☐ Seum  Onal comments (in the seconditions of a seconditions. Consequence of the seconditions o | ☐ Gray ☐ Fine sediments ☑ Foam including informativecreational use designmently, this information                               | ☐ Milky ☑ None ☐ None ion from internation but rathern is not intended                                    | Other: Other: Other: views) to this form. is to provide a more to directly influence a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
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